

# Vibrating Fluid Bed Dryer

Model: VKD



Vibration fluidized bed dryer (fluid bed dryer), allows processing / dry almost all kinds of materials and products in all industries.

Fluid bed dryer is a universal device for drying granules, sand, gravel, salt, pasty materials and similar materials for the pharmaceutical, chemical, food, and other related industries.

Vibration fluidized bed is characterized by high performance with optimum energy utilization. Vibration prevents the laminate and the formation of craters.



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## How It Works:

Fluid bed dryer utilizes hot air flow to make the materials suspended into fluidized a state and dry them quickly, water exhausted with air flow after evaporation.

Input material for drying in the dryer is fed from the feeder and with the power of vibration is continuously moving forward in a horizontal stream. The hot air is blown upwardly through the fluidization grid, which is located on the product that is heated and removes the moisture. The dried product is discharged out of the dryer. The temperature could be strictly controlled during drying to assure the quality of material after drying.



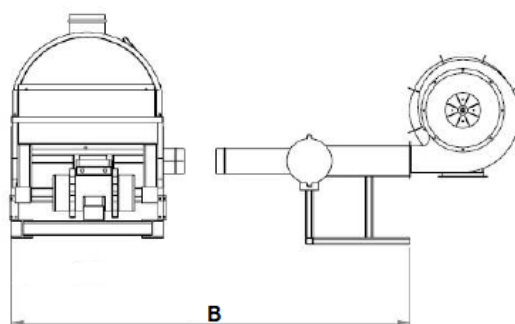
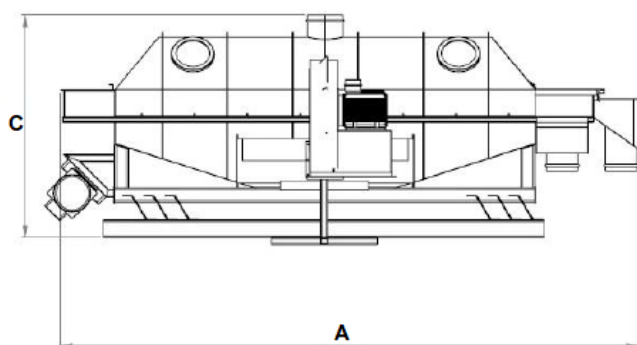
The gauge glass allows you to watch the product during the drying.

## Benefits:

- ⌘ Drying efficiency even at low intensity purge
- ⌘ Energy savings
- ⌘ Due to vibration is the material uniformly distributed, there is no division into sections and the product is not clumping
- ⌘ Standard equipment of vibration dryer has a regulation valve, which allows you to regulate the supply of raw materials in the drying zone
- ⌘ High reliability
- ⌘ Production on modern technologies
- ⌘ Hygienic and easy to clean
- ⌘ The dryer is made entirely of stainless steel
- ⌘ Modern design
- ⌘ Can be used for dangerous products such as solvents, paints, chemicals, etc.
- ⌘ Safe to use
- ⌘ Versatility

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## Area of Scope

- Pharmaceutical industry
- Chemical Industry
- Food processing industry
- The mining industry
- The construction industry
- The Plastics industry

Model:	VKD
A: length, mm	3 280
B: width, mm	2 257
C: height, mm	1 305

## Standard Equipment of NORMIT: Vibrating Fluid Bed Dryer

- heating plant
- filter
- equipment for collecting fine particles of the product from the dryer
- control panel
- manufacture of sizes according to customer requirements

## Options:

- ⌘ Intelligent system PLC
- ⌘ Supply and exhaust fan
- ⌘ Filter
- ⌘ Equipment for collecting fine particles of the product from the dryer
- ⌘ Temperature indicator and controller of the air supplied to the apparatus
- ⌘ Temperature indicator of product in the dryer
- ⌘ Humidity sensors in the product inlet
- ⌘ Humidity sensors in the product output
- ⌘ Humidity sensors, air inlet
- ⌘ Humidity sensors, air output
- ⌘ Air pressure indicator
- ⌘ Installation of additional cooling section, as well as heating
- ⌘ Further cooling and drying section, drying section or only tempering section
- ⌘ When it is necessary to isolate the product from the atmosphere, produced a rotary valve
- ⌘ May be made in accordance with GMP standards
- ⌘ Installation of heads of CIP, for easier cleaning
- ⌘ Other customer requirements



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